Syllabus: FOR 101 Introduction to Forestry & Natural Resource Management

Course Information

Course Title: Intro to Forestry & Natural Resource Management (Online w Zoom)
Course Prefix/Number: FOR 101
Semester: Spring 2022
Class Days/Times: T/R 5:30-6:45 p.m.
Credit Hours: 3

Instructor Information

Name: Barney Gregg
Phone/Voice Mail: (928) 594-8163
E-mail: bgregg@tocc.edu
Office location: Online w/ Zoom
Office hours: By appointment via Zoom. You can also email me at
the above address. I will check for messages often and try to respond within 24 hours
(except possibly on the weekends).

Course Description

Introduction to Forestry and Natural Resources Management provides a broad overview of forest, forestry, and natural resources management. The central theme is multiple-resource management, with a focus on timber and non-timber forest products, water, rangelands, and wildlife. The course has a strong emphasis on the Western United States and on sustainable management approaches that meet human needs, including how traditional ecological knowledge (TEK) can be used to inform and guide the management of natural resources.

DISCLAIMER: This syllabus is designed to evolve and change throughout the semester based on class progress and interests. You will be notified of any changes as they occur.

Student Learning Outcomes

After completion of the course students will be able to:

1) Develop an understanding of the terminology of forestry and other natural resource management practices used in public, tribal, & private land management settings.
2) Attain an understanding of key concepts of forest management.
3) Identify job opportunities in natural resource management for possible future summer and permanent employment.
4) Comprehend the principals and practices of Traditional Ecological Knowledge (TEK) and how it relates to today's forestry and natural resource management.
5) Attain an understanding of forest history and policy.

Course Structure

This course is divided into four modules. Each has a main theme and is divided into several individual units, which are roughly equivalent to the lectures in an in-person class. You will be able to look through the material in each module during set blocks of time and then there will be a narrow window at the end of each module in which to take the **module test**. The material in each module will consist of a mix of PowerPoint/PDF lectures, videos and readings. There will also be **discussions** associated with each module and the expectation is that each student will contribute at least one substantial post in each of the four discussions.

Course Learning Materials and Textbook Information

There is no required textbook for this course. All required materials will be accessible via Canvas or links provided therein.

Courses Outline and Important Dates

Module Tests:
Tests may include multiple choice, true/false, fill-in-the-blank, short answer and essay format questions. Essay questions may take 2 to 4 paragraphs to answer and will be scored on content and writing. Material presented in the PowerPoints, assigned readings and videos will be included on the exams. Typically, 75 minutes will be allowed for the tests and there will be only one chance allowed per test.

Discussions:
Discussion boards will be set up for each unit. Each student is expected to contribute **in a substantive way** to each module discussion, which can be in the form of an original post and a response to someone else's post. This is viewed as a critical part of the course that also

---

contributes to the development of writing and critical thinking skills. See the first discussion post for more guidance on this.

Module 1: Introduction

- 1/18/22- Introduction to the class
- 1/20/22- What is Forestry?
- 1/25/22- Historical and current uses of trees and forests
- 1/27/22- TBD
- 2/1/22- Forestry-Related Careers
- 2/3/22- Review
- 2/8/22- Module 1 exam

Module 2: Trees, Forests, and Forest Ecology

- 2/10/22- Tree Structure, Function and Identification
- 2/15/22- Forest Types
    - Southwestern types
    - U.S.
    - World
- 2/17/22- Forest Ecology
    - Major drivers (climate, landform, soils, etc.)
- 2/22/22- Forest Disturbances and Stressors: Natural and Human-Caused
    - Forest disturbances (fire, insects and disease, storms, etc.)
    - Human-caused threats to forests
- 2/24/22-TBD
- 3/1/22- Tree and Forest Measurements
- 3/3/22- TBD
- 3/8/22- Review
- 3/10/22-Module 2 exam

Module 3: Forest Management

- 3/15/22- Silvicultural Practices
- 3/17/22- TBD
- 3/22/22- Fire Management
- 3/24/22- Outdoor Recreation Management
- 3/29/22- Watershed Management
- 3/31/22- Wildlife and Range Management
- 4/5/22- TBD
- 4/7/22- Management of Trees Outside the Forest
    - Urban Forest Management

DISCLAIMER: This syllabus is designed to evolve and change throughout the semester based on class progress and interests. You will be notified of any changes as they occur.

        o   Agroforestry
- 4/12/22- Review
- 4/14/22- Module 3 exam

Module 4: Forest History and Policy

- 4/19/22- History of Forest Management and Conservation in the U.S.
  - Rise of the Conservation Movement
  - Rise of Scientific Forestry and the Forestry Profession
  - The Environmental Era
- 4/21/22- Carbon Credits and Forestry
- 4/26/22- Forest Policy and Public Lands
- 4/28/22- Forest Policy and Private Lands
- 5/3/22-TBD
- 5/5/22- What will Drive Forest Policy and Forest Management in the Future?
- 5/10/22- Study Day
- 5/12/22- Final Exam

Evaluations and Grading & Assignments:

90 and above is an A
80 - 89 is a B
70 - 79 is a C
60 - 69 is a D
Under 60 is Failing

Your grade will be determined by the following:

There will be four tests – one at the end of each module. Participation in the discussions will also be an important part of the overall grade. Grading will be based on the following and will be available for viewing in Canvas.

	Percent of Total Grade	Points
Module 1 Test	10%	100
Module 2 Test	20%	200
Module 3 Test	25%	250
Module 4 Test	25%	250
Discussion Participation (4 discussions at 50 points each)	20%	200
Total	**100%**	**1,000**

Apache Cultural Component

San Carlos Apache College is in the process of developing culturally relevant curriculum and coursework in Apache history, culture, and language. Student and community feedback will guide this process. All SCAC instructors will find ways to incorporate culturally relevant topics and materials into their courses as appropriate.

Policies and Expectations

Attendance Policy
You are expected to arrive to class on time and be prepared to participate in each class period. Four unexcused absences may result in withdrawal and a "W" or "Y" will be recorded. You may request to be excused from class for religious observances and practices, for illness, for school or work-related travel or for personal or family emergency. If you will be absent, please notify the instructor as soon as possible. (Revise as needed for the online environment.)

Academic Integrity:
Violations of scholastic ethics are considered serious offenses by San Carlos Apache College. Students may consult the SCAC Student Handbook sections on student code of conduct, on scholastic ethics and on the grade appeal procedure.

All work done for this class must be your own, or the original work of your group. While you may discuss assignments with other class members, the final written project must clearly be original. You may use work from books and other materials if it is properly cited.

Course Feedback:
All assignments will be graded and returned to the students promptly, typically within a week after the assignment is closed for handing in. Email and phone messages will be returned within two days. A student or the instructor may request a student conference at any time during the semester. Quarterly grade reports will be provided to each student, either in person, by email or via the electronic system of Canvas.

Incomplete Policy
Incomplete (I) grades are not awarded automatically. The student must request an "I" from the instructor who can choose to award an Incomplete only if all three of the following conditions are met:
> 1. The student must be in in compliance with the attendance policy.
> 2. The student must have unavoidable circumstance that would prohibit the student from completing the course.
> 3. The student must have completed over 75% of the course requirements with at least a "C" grade.

Incompletes are not a substitute for incomplete work due to frequent absences or poor academic performance. Incomplete grades that are not made up by the end of the ninth week of the following semester will be automatically changed to an F if the agreed upon work, as

stipulated on the written form signed by the instructor and the student when the I grade is awarded, is not completed.

Instructor Withdrawals
Students who have missed four consecutive classes (or the equivalent) not submitted any assignments nor taken any quizzes by the 45th day census report, due on [date of 45th day found in Academic Calendar on SCAC website] are assumed NOT to be participating in the class and may be withdrawn at the faculty member's discretion. [faculty members should be clear in their withdraw policy, if you do not withdraw students please note in appropriate sections].

Student Withdrawals
Students may withdraw from class at any time during the first 2/3 of the semester without instructor permission and without incurring any grade penalty. Please be sure to withdraw yourself by [withdrawal deadline date found in Academic
Calendar on SCAC website] if you do not expect to complete the class, otherwise you may receive an "F" grade.

Special Withdrawals (Y) Grade
The "Y" grade is an administrative withdrawal given at the instructor's option when no other grade is deemed appropriate. Your instructor must file a form stating the specific rationale for awarding this grade. "Y" grades are discouraged since they often affect students negatively. Your instructor will not award a "Y" grade without a strong reason.

Equal Access Statement/Disability Accommodations
San Carlos Apache College seeks to provide reasonable accommodations for qualified individuals with disabilities. The College will comply with all applicable regulations, and guidelines with respect to providing reasonable accommodations as required to ensure an equal educational opportunity. This process includes self-identifying as a student with a disability, providing supporting documentation of their disability, and being approved for services through the Disability Resources Office (DRO).It is the student's responsibility to make known to their instructor(s) the student's specific needs within the context of each class in order to receive appropriate accommodations. We will work together in order to develop an accommodation plan specifically designed to meet the individual student's requirements.

For more information or to request academic accommodations, please contact: Anthony Osborn, TOCC Disabilities Resource Coordinator, aosborn@tocc.edu, or 520-383-0033 for additional information and assistance.

Title IX
San Carlos Apache College encourages each student to have the knowledge and skills to be an active bystander who intervenes when anyone is observed or being harassed or endangered by sexual violence. Sexual discrimination and sexual violence can undermine students' academic success and quality of life on campus and beyond. We encourage students who have

---

DISCLAIMER: This syllabus is designed to evolve and change throughout the semester based on class progress and interests. You will be notified of any changes as they occur.

experienced or witnessed any form of sexual misconduct to talk about their experience and seek the support they need.

Conduct: Bias, Bullying, Discrimination and Harassment
San Carlos Apache College faculty and staff are dedicated to creating a safe and supportive campus environment as a core value. Harassment based on age, class, color, culture, disability and ability, ethnicity, gender, gender identity and expression, immigration status, marital status, political ideology, race, religion/spirituality, sex, sexual orientation, and tribal sovereign status will not be tolerated.

DISCLAIMER: This syllabus is designed to evolve and change throughout the semester based on class progress and interests. You will be notified of any changes as they occur.